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Substituted Form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

### Complete if Known

Application Number	10/667,893
Filing Date	September 23, 2003
First Named Inventor	Redmon, David T.
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	3085-004

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CTB		US- 3,872,003	03-18-1975	Walker	2/24-47; 6/4-8
CTB		US- 5,234,596	08-10-1993	Greeb	2/36-39; 3/38-48, 59-63
CTB		US- 5,441,642	08-15-1995	Wickens	1/40-41, 2/30-51, 4/5-42,
CTB		US- 6,036,862	03-14-2000	Stover	3/15-36; 6/15-55; 7/15-57;
		US-			8/14-67; 9/1-13/25;
CTB		US- 6,146,896	11-14-2000	Pitz	1/47-2/61; 3/3-39; 4/13-49;
		US-			6/5-62; 7/10-34;
CTB		US- 6,478,964	11-12-2002	Redmon	Fig. 13; 6/33-46
CTB		US- 4,288,394	09-08-1981	Ewing, et al.	of general interest
		US-			
		US-			
		US-			Note: 2/24-47 signifies
		US-			column 2, lines 24
		US-			through 47.
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> Number * Kind Code <sup>2</sup> (if known)				
CTB		WO 01/34527 A1	05-17-2001	Stover	see US Pat 6,036,682	
CTB		EP 0732588-German text	09-18-1996	Hallas	with English abstr.	
CTB		EP 0732588-translation	09-18-1996	Hallas	machine translation	
CTB		DE 19509777A1-Germ. Txt.	09-19-1996	Hallas	see EP 0732588	
CTB		DE 19509777A1-Partl. Tran.	09-19-1996	Hallas	by human translator	

Examiner  
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*Chester T. Barry*

Date  
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*3/29/06*

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		Art Unit	1724		
		Examiner Name	Chester T. Barry		
Sheet	3	of	4	Attorney Docket Number	3085-004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CTB		WPCF ("Water Poll. Contr. Federation"), "Process Instrumentation and Control Systems", MOP ("Manual of Practice") #OM-5, 1984, pp. ii, 3-7 and 20-21, WPCF, Wash., D.C., USA	
		ARTHUR et al., "Instrumentation in Wastewater Treatment Plants", MOP #21, 1978, pp. 28-34, 74, 75, 77 and 78, WPCF Sub-committee on Instrumentation, Wash., D.C., USA	
		STAHL et al., "Energy Conservation in the Design and Operation of Wastewater Treatment Facilities", MOP #FD-2, 1982, pp. 28-33, WPCF, Wash., D.C., USA	
		WPCF+ASCE ("Amer. Soc. of Civ. Engrs."), "Aeration, A Wastewater Treatment Process", MOP #FD-13, 1988, pp.10-12, 44-45, 112, 137-140, 142 & 144-147, Wash., DC & New York, NY	
		BOYLE et al., ASCE Comm. on Oxygen Transfer, "Design Manual, Fine Pore Aeration Systems", 1989, pp. 149-156 and 167, U. S. Env. Prot. Agency, Cincinnati, OH, US	
		TANUMA et al., "Dissolved Oxygen Control Using Aeration Exhaust Gas", Water Science and Tech., Jour. art. and abst., 1981, vol. 13, no. 9, pp. 183-188, Pergamon Press, GB	
		KOENIG et al., "Effect of air recirculation on ... composting system", Proceedings, AWMA ("Air & Waste Mgmt. Assoc."), 1998, Abstract of paper, AWMA, Pittsburgh, PA, USA..	
		PELKONEN et al., "Modelling of oxygen transfer ... with off-gas method", 1989, Abstract of paper, Helsinki Univ. of Tech., Lab. of Sanitary and Env. Engg., Espoo, Finland	
		YUST et al., "Control of the specific oxygen utilisation ...", Trans. of the Inst. of Meas. and Control, 1984, Abst. of jour. art., Water Poll. Control, Burlington, Ont., CA	
CTB		LIBRA, et al., "Improving aeration efficiency ... using on-line off-gas measurements", Intl. Cong. on the Process Industries, Mar. '02, poster, Mex. DF, Tech. Univ. Berlin, DE	

Examiner Signature		Date Considered	3/29/06
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CB		REDMON, BOYLE & EWING, "Oxygen transfer efficiency measurements in mixed liquor using off-gas techniques", WPCF Journal, Nov., '83, pp. 1338-1347, Vol. 55, No. 11, WPCF, USA	
		REDMON, "Alpha factors - measured for various types of aeration systems by off-gas analysis", publication of Redmon Engineering Company, 1998, pp. 1-13, Racine WI, USA	
		MARX, et al., "Optimizing step feed aeration design using off-gas testing", 70th Annual WEF Conf., Chicago, repub. by Earth Tech, 1997, pp. 1-9, Sheboygan, WI, USA	
		REDMON, et al., "Measuring the impact of a 3-hp blower assist on the aeration efficiency of a 50-hp aspirating aerator", TAAPI Journal, Jan. 1992, pp. 105-110, USA	
		DAUGHTERY, et al., "Aeration system retrofit design optimization procedure", Proceedings, Central States WEF Conf., reprint by the authors, 1995, pp. 1-46, Milwaukee, WI, USA	
		REDMON, et al., "Pilot studies and full scale performance evaluation of a membrane disk aeration system ...", TAPPI Proceedings, 1992 Environmental Conference, pp. 563-577	
		REDMON, David T., professional resume, with bibliography of illustrative publications relating to off-gas testing, Redmon Engineering Company, 2005, 6 pages, Racine, WI, USA	
		ASCE ("Amer. Soc. of Civ. Engrs."), "Measurement of oxygen transfer in clean water", ANSI/ASCE Standard 2-01, approved June 1992, pp. 1-41 & index, ASCE, New York, NY, USA	
CB		ASCE, "Standard guidelines for in-process oxygen transfer testing", ASCE Standard 18-96, 1997, cover, abstract page, pp. iii-vii, ix and x, and pp. 1-49, New York, NY, USA	

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